SIEMENS

ARCADIS Orbic

SP

Start-up

System

Start-up Instructions

© Siemens AG 2004
The reproduction, transmission or use of this document or its contents is not permitted without express written authority. Offenders will be liable for damages. All rights, including rights created by patent grant or registration of a utility model or design, are reserved.

Print No.: SPR2-320.815.02.02.02
Replaces: SPR2-320.815.02.01.02

English
Doc. Gen. Date: 02.05

Document revision level

The document corresponds to the version/revision level effective at the time of system delivery. Revisions to hardcopy documentation are not automatically distributed.

Please contact your local Siemens office to order current revision levels.

Disclaimer

The installation and service of equipment described herein is to be performed by qualified personnel who are employed by Siemens or one of its affiliates or who are otherwise authorized by Siemens or one of its affiliates to provide such services.

Assemblers and other persons who are not employed by or otherwise directly affiliated with or authorized by Siemens or one of its affiliates are directed to contact one of the local offices of Siemens or one of its affiliates before attempting installation or service procedures.

Table of Contents 3

1 General Information 5

Additionally Required Documents . . . 5
Tools, aids (partially for IQ test) . . . 6
Note on the log book . . . 7
Notes on adapting the power plug to local conditions. . . . 8
Note on the power connection . . . 9
Notes on equivalent leakage current measurement . . . 10
Applicability and regulations for regional companies . . . 10
Initial measured value . . . 10
Repeat measurement . . . 10
Safety instructions . . . 11
Switching the system to be free of voltage . . . 12
Parts conducting voltage after system OFF and/or with power plug pulled out . . . 13
Main system control board D1 and power board D2. . . . 13
Monitor cart, monitors and image system . . . 13

2 General Startup 14

Power line connection . . . 14
Measuring the Power Line Voltage . . . 14
The line voltage can be adapted at the transformer in the monitor cart. . . . 15
Adapting the line voltage. . . . 15
Measuring the system leakage current. . . . 16
Measuring arrangements for system leakage current with tester VDE 0751 October 2001 (preferred measuring method) . . . 16
Measuring arrangements for system leakage current with tester VDE 0751 October 1990 (e.g. Bender tester) . . . 16
Function check of the emergency stop switches . . . 18
Checking the temperature indicator . . . 19
Functional checks. . . . 20
Checking the ground wires . . . 21

3 Specific system settings 22

System configuration . . . 22
Service login: . . . 22
Customer address configuration . . . 24
Main system configuration . . . 27
Country-specific adaptation of the maximum tube current . . . 29
Backup . . . 32

4 Final work steps 36

Paper printer (optional). . . . 36
Sony printer LPR-1000MD . . . 36
Codonics printer 1660L. . . . 36
Sony printer UP-D72 X . . . 37

Final work steps 38
IQ test 38
Configuring the network (optional) and remote service 38
Completing protocols 38
Completing the "ARCADIS Orbic Installation" protocol 38

5 Reports 39

C-arm movement and emergency stop 39
Leakage current measurement 40
Network checklist 42

6 Changes to previous version 46

Additionally Required Documents

- ARCADIS Orbic Operating Instructions
- ARCADIS Orbic System Wiring Diagram
- IQ test (quality assurance)
- Image intensifier laser light localizer (optional) assembly and setting instructions

Tools, aids (partially for IQ test)

•	Tool kit	97 02 457 Y1971
•	Dynamic test kit	37 90 156 X1963
•	Copper filter set	44 06 120 RV090
•	Densitometer	97 02 416 Y1996
•	Radiation filter set (incl. 25 mm Al)	97 98 596 G5321
•	Resolution test	28 71 820 RE999
•	Safety tester (leakage current and ground wire testing device) e.g. Unimed 1100 (Leakage current measurement only required in the case of a deviation of the local line voltage from the system delivery status).	51 38 727 Y0766

Note on the log book

The log book is located in the monitor cart behind the keyboard. It is accessible if the cover on the back of the monitor cart is removed.

Notes on adapting the power plug to local conditions.

The customer can have the power plug on the supplied power cable replaced with an appropriate local plug by an electrician, provided that:

- The power plug used can conduct the power required for the operation of the ARCADIS Orbic (refer to current and voltage values stated on the line voltage label, back of monitor cart).
- The required line internal resistance is reached (refer to ARCADIS Orbic Planning Guide).
- The selectivity of the fuse protection is assured - according to the relevant national standards.

It must also be ensured by the customer that connection to an unsuitable power supply is prevented (e.g. by identification or design measures).

As concluding measures, perform and document protective ground wire measurements (in Germany, e.g., in the medical device book).

Note on the power connection

The system delivery state is provided by the power connection values on the the line voltage label (back of the monitor cart). Necessary adjustments to local conditions are to be performed as necessary according to the adjustment instructions of the ARCADIS Orbic system.

⚠WARNING

Danger high voltage!

Disregarding safety precautions can result in death or serious bodily injury.

➪ **Before the line voltage is adapted, the power plug on the UPS in the monitor cart must be pulled out, since the monitor cart is not free of voltage after the power plug is pulled out.**

Notes on equivalent leakage current measurement

Applicability and regulations for regional companies

The equivalent leakage current must be measured where applicable under the requirements of DIN VDE 0751 Part 1. Outside of the scope of application of DIN VDE 0751, the following rules are to be adhered to for the regional companies: (also see ARTD part 2, Security Rules for Assembly and Maintenance).

The national regulations apply primarily for the regional companies. In the event that there are no existing regulations, the following provisions should be adhered to in the interest of the safety of customers, patients, employees and third parties as well as the company.

Initial measured value

The equivalent leakage current measurement was performed at the factory and the measured value was entered in test protocol 1b. The measurement was made at the line voltage and line frequency recorded in test protocol 1b. The test protocol 1b is filed in the log book, register 3. When the line voltage and line frequency match, the value recorded in test protocol 1b is to be transferred as the initial measured value to the equivalent leakage current/protocol.

If the local line voltage or line frequency deviates from the delivery state of the ARCADIS Orbic, the values listed in test protocol 1b are invalid. The values are to be labeled invalid.

(Check the comment "values invalid" and confirm with name, date, and signature). The equivalent leakage current measurement must be repeated. Perform the measurement according to DIN VDE 0751, Part 1 (see ARTD, Part 2), and record the determined value as the initial measured value. This value must not exceed the maximum value for equivalent leakage currents for devices according to IEC 601 Part 1/VDE 0750 Part 1 of 2 mA. The initial measured value is to be entered in the equivalent leakage current protocol (General Startup / p. 14). Comply with the measuring arrangement according to (Fig. 2 / p. 16). The system must be switched on during the measurement. When the Bender safety tester is used, this must therefore be set to manual measurement. Separate the page with the protocol from these instructions and file it in the log book, system folder.

Repeat measurement

When service or repair work is performed on the primary power supply circuit (e.g. repairs to the power-on circuit or replacement of the line filter), the equivalent leakage current measurement must be repeated. Comply with the measuring arrangement according to (Fig. 2 / p. 16). The system must be switched on during the measurement. When the Bender safety tester is used, this must therefore be set to manual measurement. The values measured in the repeat measurement may not exceed the threshold value of 2 mA as specified in VDE 0751, Part 1 (see also ARTD, Part 2). In addition, they may not exceed the initial measured value by more than 50%. The system must be repaired if the limit is exceeded. Document the measured value in the equivalent leakage current protocol.

Safety instructions

- When performing the work steps and checks, the general safety information for medical products must be observed.

Switching the system to be free of voltage

- To switch the system to be free of voltage in all its parts, bring the system switch into the **OFF** position.

Parts conducting voltage after system OFF and/or with power plug pulled out

Main system control board D1 and power board D2

⚠WARNING

Danger high voltage!

When the system is switched off, there is still electrical voltage on boards D1 and D2 of the main system.

Disregarding safety precautions can result in death or serious bodily injury.

- ➪ **Therefore before working on one of these boards, make sure that the LED V400 has gone out. This is the case 3 minutes after the ARCADIS Orbic system is switched off.**

Monitor cart, monitors and image system

⚠WARNING

Danger high voltage!

When the system is switched off and even when the power plug is pulled out, the line voltage is still applied to the power assembly of the monitor cart, to the monitors and to the image system.

Disregarding safety precautions can result in death or serious bodily injury.

- ➪ **Before work is done on the monitor cart, the power plugs must be pulled out of the UPS.**

⚠WARNING

Dangerous radiation during checks and adjustments!

Risk of death or serious bodily injury!

- ➪ **For checks and adjustments that must be performed with the radiation switched on, the prescribed radiation safety measures must be observed; if necessary, wear radiation protective clothing (see also ARTD-002.731.02.xx.xx and ARTD-002.731.38.xx.xx "General Guidelines for Technical Service").**

- ➪ **These checks and adjustments are explicitly designated on the following pages with the radiation warning symbol.**

Power line connection

Measuring the Power Line Voltage

- Measure the voltage and frequency at the intended outlet for the ARCADIS Orbic system.
- Compare the measured line voltage with the line voltage label on the back of the monitor cart.
  - ➪ The measured voltage must agree with the voltage read off from the label.

The line voltage can be adapted at the transformer in the monitor cart.

⚠WARNING

Danger high voltage!

Disregarding safety precautions can result in death or serious bodily injury.

➪ **Before the line voltage is adapted, the power plug on the UPS in the monitor cart must be pulled out, since the monitor cart is not free of voltage after the power plug is pulled out.**

Adapting the line voltage

- Remove the back, bottom covers (Fig. 1 / p. 15) from the monitor cart.
- Pull the power plug out of the UPS in the monitor cart.
- Adapt the voltage by changing the connections to transformers T1 and T2. Refer to the ARCADIS Orbic wiring diagram.

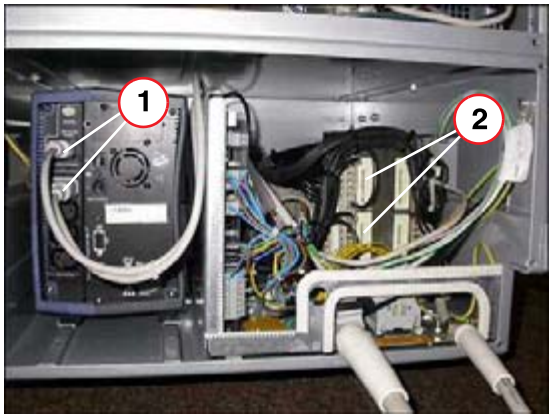

Fig. 1: Monitor cart line voltage

Pos. 1 Power plug

Pos. 2 T1 and T2

Measuring the system leakage current

NOTE

Perform the system leakage current measurement only if the line voltage on the ARCADIS Orbic system must be adapted to the local line voltage.

See also (Notes on equivalent leakage current measurement / p. 10)

Measuring arrangements for system leakage current with tester VDE 0751 October 2001 (preferred measuring method)

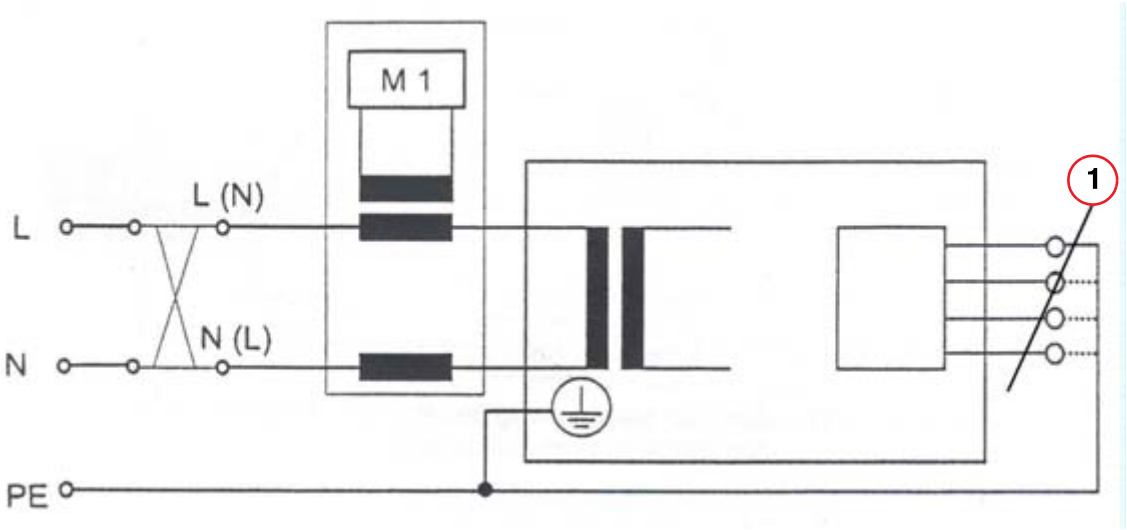

Fig. 2: Measuring circuit for measuring the system leakage current according to the differential current method

- Perform measurement configuration according to (Fig. 2 / p. 16). Application part (1/Fig. 2 / p. 16) is not available in ARCADIS Orbic.
- Perform measurement and repeat measurements.
- Document the measured values in the "Leakage current test protocol", (Leakage current measurement / p. 40).

Measuring arrangements for system leakage current with tester VDE 0751 October 1990 (e.g. Bender tester)

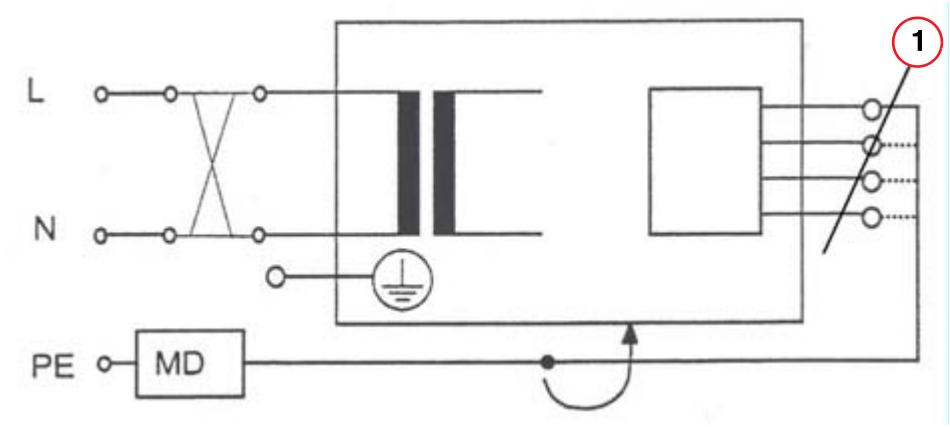

Fig. 3: Measuring circuit for the direct measurement of the system leakage current

- Measurement configuration according to (Fig. 2 / p. 16) application part (1/Fig. 3 / p. 17) is not available in ARCADIS Orbic.
- For safety reasons, place the system on an insulated base.
- Perform measurement and repeat measurements.
- Document the measured values in the "Leakage current test protocol" (Leakage current measurement / p. 40).

Function check of the emergency stop switches

- Connect the system to the voltage and boot it.
- Click "Emergency" for the patient registration.
- Activate the EMERGENCY STOP switch on the C-arm.
- The safety switch moves audibly and the following message appears on the lower left monitor edge: "The emergency stop has been pressed"
- Disengage the EMERGENCY STOP switch.
- The safety switch moves audibly and the following message appears on the lower left monitor edge: "The emergency stop switch has been released."
- Document the function of the EMERGENCY STOP switch in the "Test protocol, C-arm movement and emergency stop (C-arm movement and emergency stop / p. 39).

Checking the temperature indicator

- Check the temperature indicator on the outside of the image intensifier housing.
  - ➪ If the inner, square field of the indicator is white, the temperature has not been exceeded. Remove the temperature indicator.
  - ➪ If the indicator is discolored (inner field black), proceed according to IQ document RXD0-000-038.01.xx.xx.

Functional checks

Operation of the ARCADIS Orbic, see operating instructions

- Stand and C-arm system movements
- Semi-transparent slot and iris diaphragm in fluoroscopy procedure.

- Collimation of the semi-transparent slot and iris diaphragm using fluoroscopy procedure.
- Mechanical functions of the monitor cart

Checking the ground wires

- The system must be free of voltage.
- Measuring instrument: Ground wire testing device; e.g. safety tester Unimed 1100
- Measuring instrument: **Max. 0.2 Ohm** (observe country-specific regulations!) (current: 10 A)
- Test procedure: Measure between all touchable, conductive parts of the system and the ground wire at the ARCADIS Orbic power plug.

System configuration

- Please clarify in advance with the customer whether the following system configurations are required.

Service login:

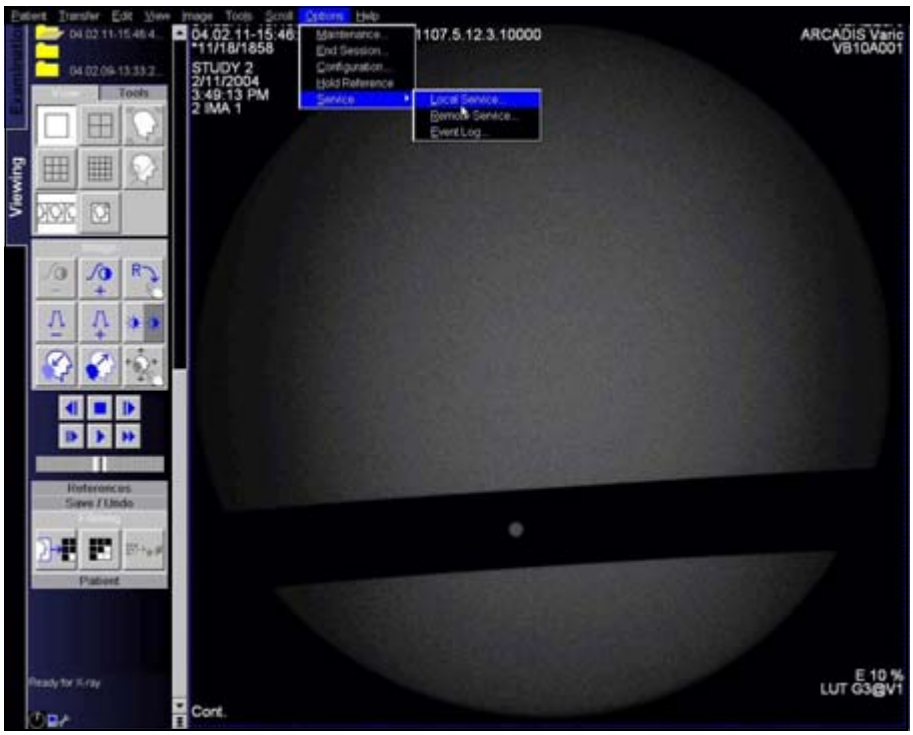

Fig. 4: Service login

- Select **<Options> <Customer service> <Local service>**.

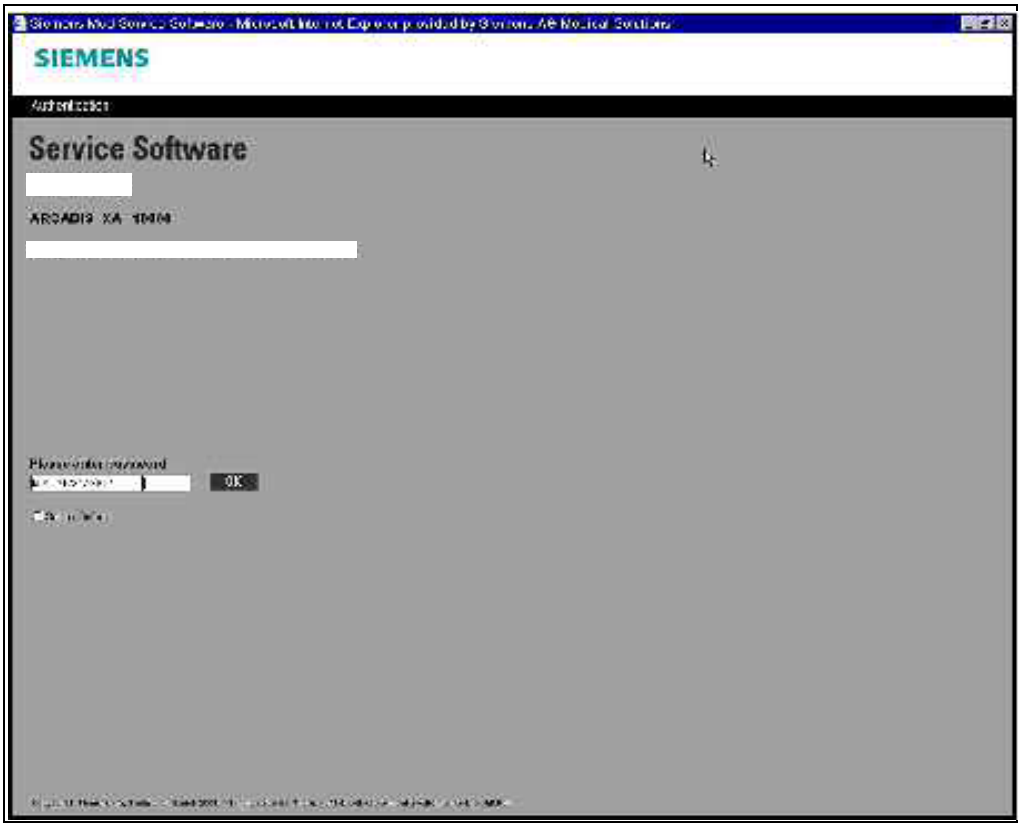

*Fig. 5: Authentication_*

- Enter the 6-character password and click **OK** (see system folder for password).

Customer address configuration

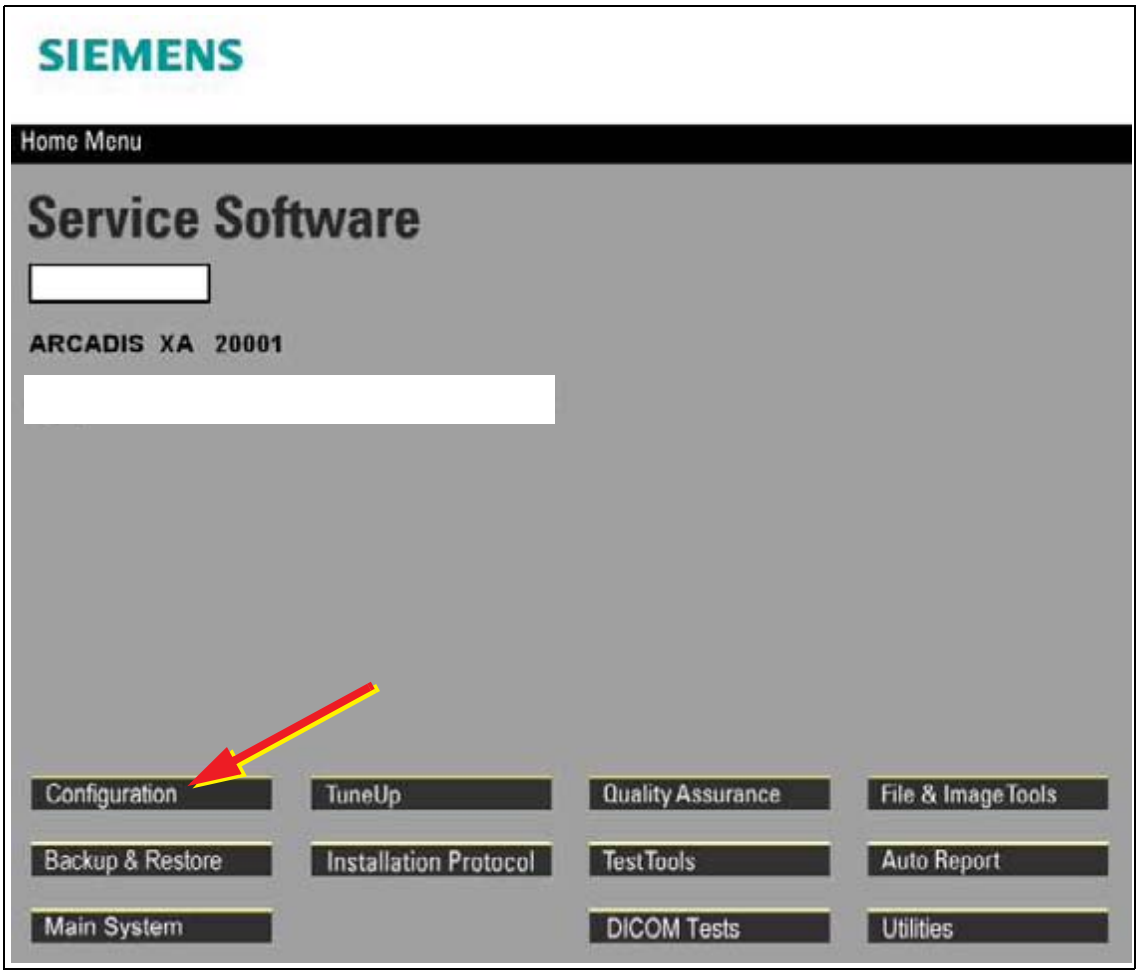

*Fig. 6: Configuration_*

- Select **<Configuration>**.

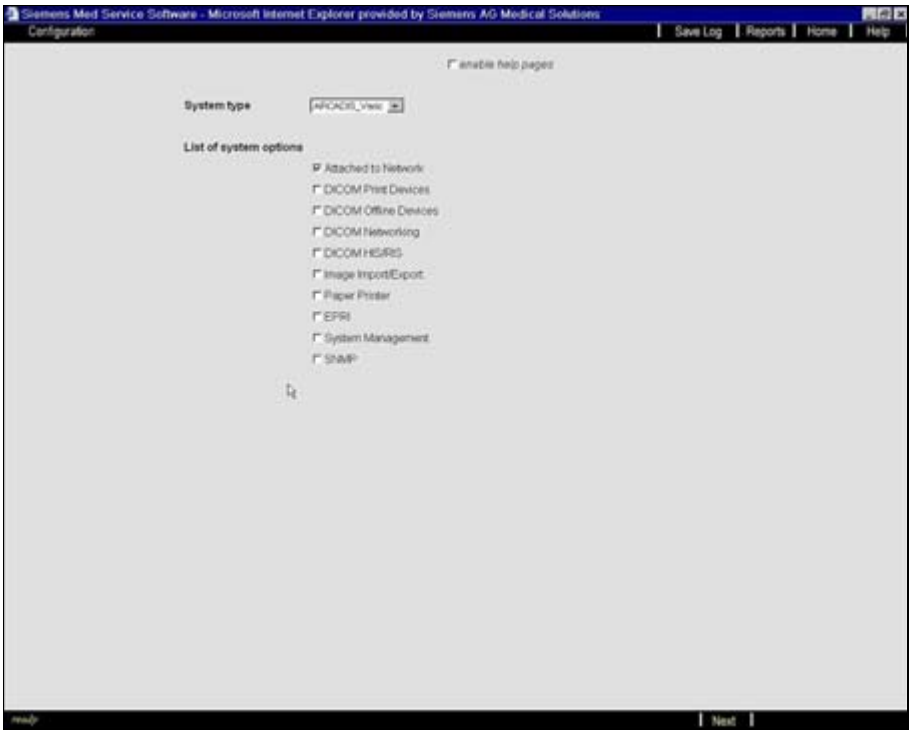

Fig. 7: Configuration

- Click **<Next>**.

Fig. 8: Configuration_Local Host

- Click **<Site Info>**.

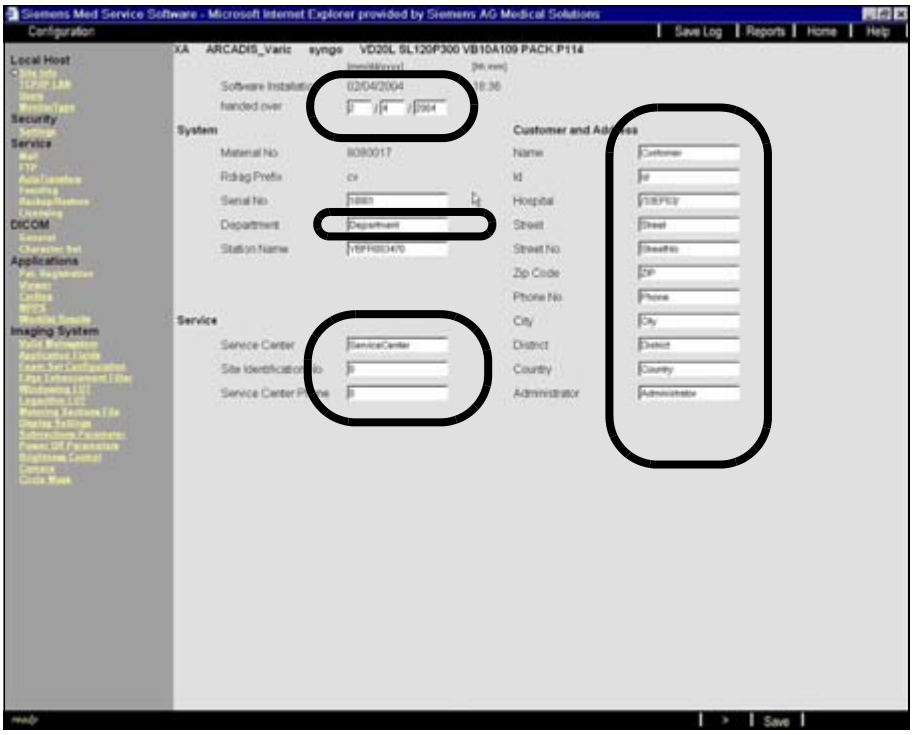

Fig. 9: Configuration_Local Host_Site Info

- The marked customer-specific data may be adapted. Under no circumstances can you change the "serial no." or "station name".
- Click **<Save>**.
- Click **<Home>**.

Main system configuration

- Select “Main system” in the service software (see Fig. ...).

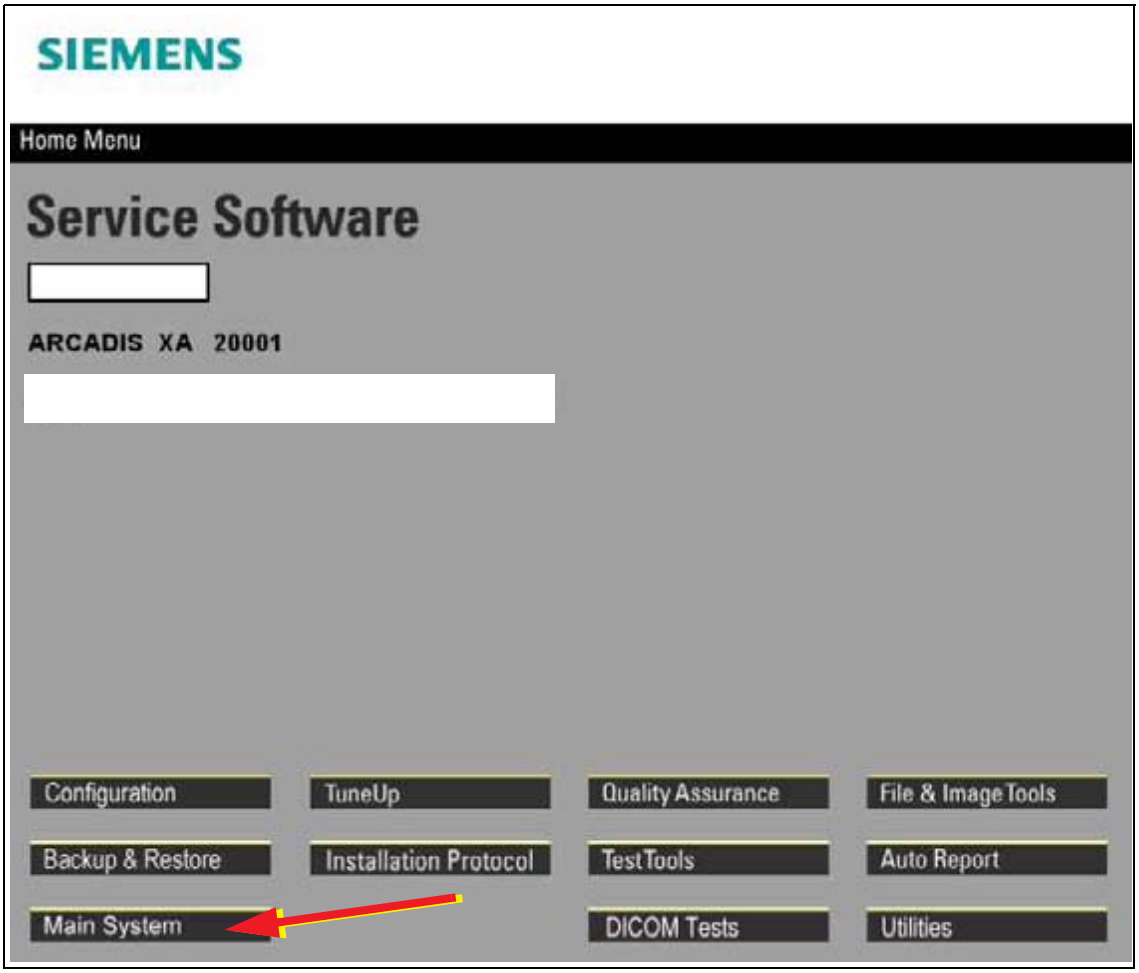

Fig. 10: Main_system

- Click **<Main system>**.

*Fig. 11: Main system_*

- Select ARCADIS Orbic and click **<Next>**.

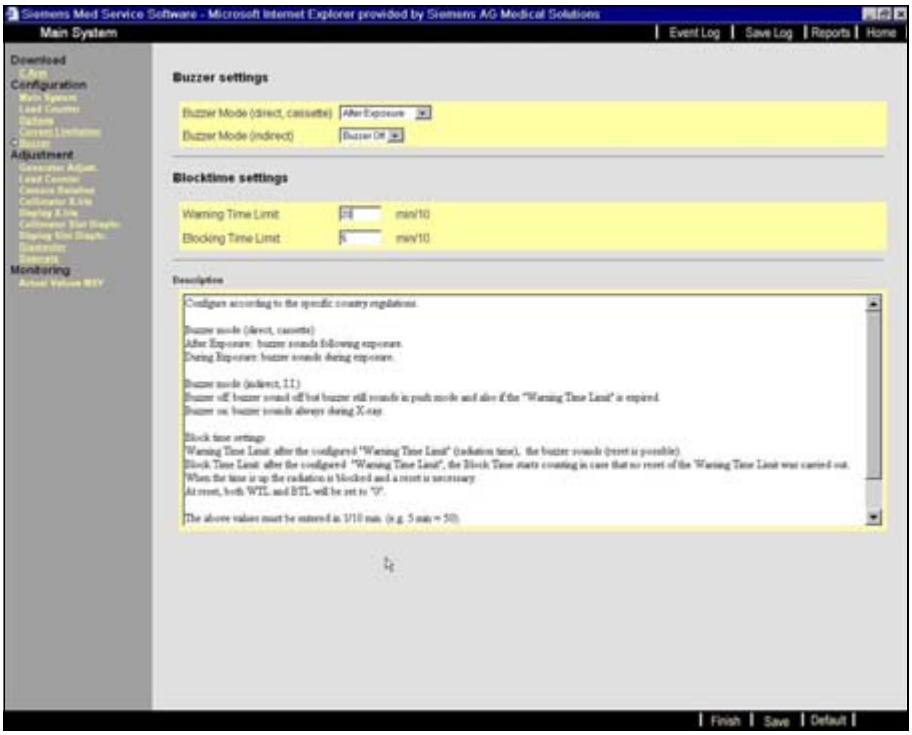

Fig. 12: Main System_Configuration_Buzzer

- Under Configuration click **<Buzzer>**.

Make changes according to the following description:

- **Block time settings**
  - **Warning time limit:** The buzzer sound starts when the entered radiation time has elapsed.
  - **Block time limit:** After the entered radiation time has elapsed - without reset of the “warning time limit" - the radiation is blocked the next time it is selected. Every reset of the “warning time limit” also resets the “block time limit” to “0”.
- **Buzzer mode (direct, cassette)**
  - **After exposure:**Buzzer sound after the exposure.
  - **During exposure:**Buzzer sound during the exposure.
- **Buzzer mode (indirect, I.I.)**
  - **Buzzer off:**Buzzer sound off. Exceptions: Push mode and “warning time limit” has ended.
  - **Buzzer on:** Buzzer sound always during radiation.

The country-specific regulations must be observed for the max. fluoroscopy time and radiation blockage.

Factory setting:

	Fluoroscopy alarm	Fluoroscopy blocking
USA Service mask input in 1/10 min.	4.5 min. 45	5 min. 5
Europe Service mask input in 1/10 min.	5 min. 50	10 min. 50

- Make country-specific changes and click **<Save>**.
- Click **<Home>**.
- If a change is made to the fluoro time, check this function.

Country-specific adaptation of the maximum tube current

NOTE

A maximum tube current limit is required - as far as known - only in Denmark.

- Start service program and log in as described under "Service Login".

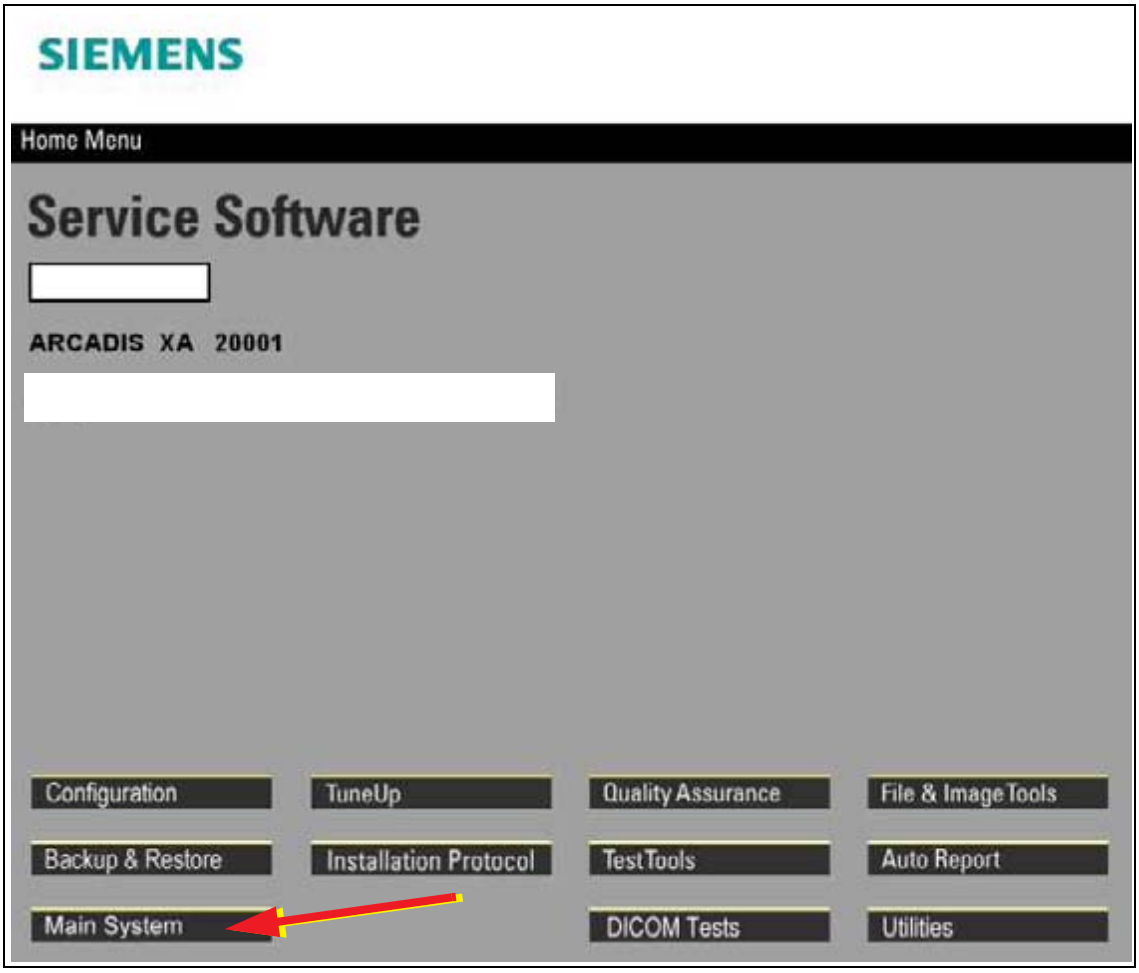

Fig. 13: Main_system

- Click **<Main system>**.

*Fig. 14: Main system_*

- Select ARCADIS Orbic and click **<Next>**.

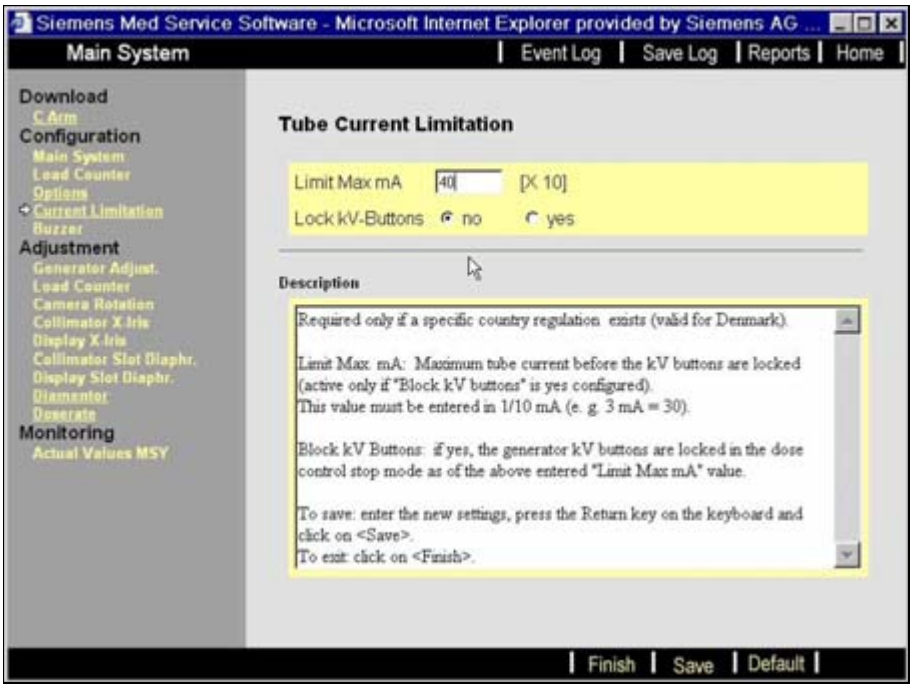

Fig. 15: Main System_Configuration_Current Limitation

- Click **<Current limitation>**.
- Make country-specific changes (only Denmark) and click **<Save>**.
- Click **<Home>**.

Backup

NOTE

A backup must be created following software installation, every software update, and every system adjustment.

- Select "Backup & Restore" in the “Service Software Home Menu”
- Place the backup CD (located in the monitor cart service compartment) in the CD ROM drive.

Fig. 16: Backup & Restore_Command

- Select the **<Backup>** command.

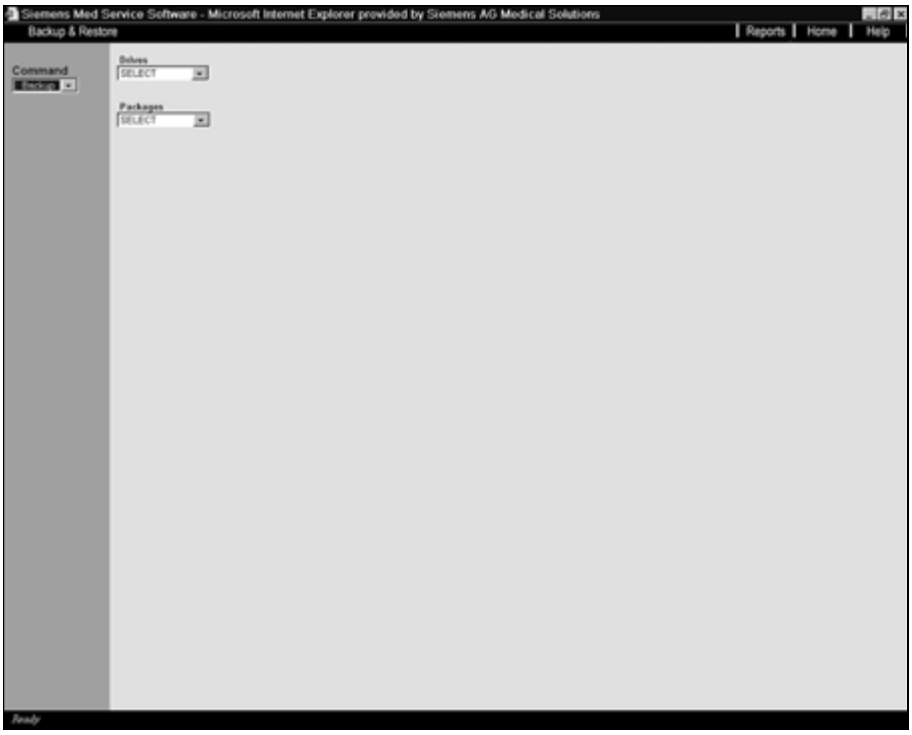

Fig. 17: Backup & Restore_Command_Backup

- Select the respective drive under “Drives”.
  - Save to CD ROM (standard save).

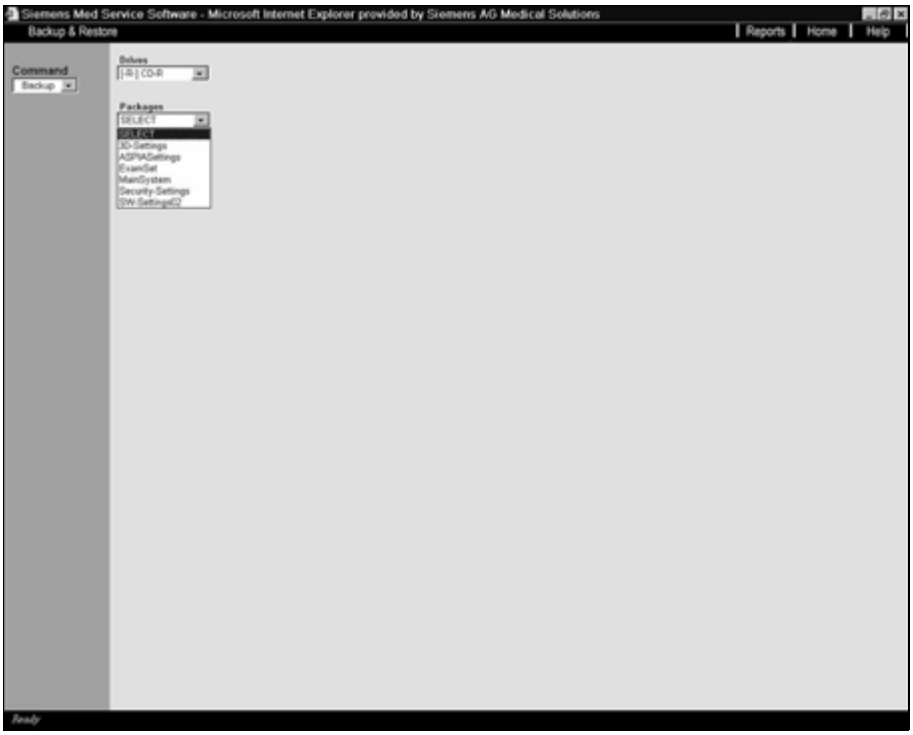

Fig. 18: Backup & Restore_Command_Backup_Packages

SW - Settings02

- Select “SW-Settings02” under Packages.
- Click **<Go>** and wait until the message “Ready” appears in the footer.

Fig. 19: Backup & Restore_Command_Backup_SW-Settings02

ASPIA Settings

- Select “ASPIA settings” under Packages.
- Click **<Go>**
  - Wait until the message “Ready” is displayed in the footer

ExamSet

- Select “ExamSet” under Packages.
- Click **<Go>**
  - Wait until the message “Ready” is displayed in the footer

Security-Settings

For systems with HIPAA configuration

- Select “Security-Settings” under Packages.
- Click **<Go>**
  - Wait until the message “Ready” is displayed in the footer

MainSystem

- Select “MainSystem” under Packages.

3D-Settings

- Under packages, select “3D settings”

- Click **<Go>**
  - Wait until the message “Ready” is displayed in the footer

Exiting Backup

- Close the window via **<Home>**.
- Remove the backup CD ROM from the CD ROM drive.
- Store the CD ROM with the other system documentation.

NOTE

It is not possible to perform a backup of the database (patient images)!

Store the patient images in an archive.

Saving to CD-ROM as long-term archive is prohibited.

Paper printer (optional)

NOTE

The software (driver) for the supplied printer was preinstalled at the factory.

Sony printer LPR-1000MD

Perform the following steps according to the "Startup Manual" of the printer:

- Unpacking (see the chapter "Preparation").
- Installing the head cassette (see the chapter "Preparation").

  Please note: Remove retaining mechanisms and safety mechanism from the head cassette.
- Installing the ink cartridges (see the chapter "Preparation").
- Switching on the printer (see the chapter "Preparation").

  Please note: Place the printer in advance on the monitor cart, connect the power and USB cables (ready for use in the printer slot of the cart) to the printer, and set the power switch to "1".
- Installing the head cleaning unit (see the chapter "Preparation").
- Installing the automatic paper feed tray (see the chapter "Preparation").

NOTE

Insert printer paper with the white side facing “down”.

Remove the protective film from the ink cartridge.

Codonics printer 1660L

Perform the following steps according to the "User Manual" of the printer:

- Transport instructions (see preface).

  Please note: Unpack the printer and remove the two transport pins. Place the printer in the cart, connect the power cable and the 25-pin plug to the printer (cables are ready for use in the printer slot of the cart), and set the power switch to "1".
- Install the print media>(General Startup / p. 14)

NOTE

Keep the transport safety materials. They are required when replacing or shipping the printer.

Sony printer UP-D72 X

Perform the following steps according to the user manual for the printer (CD-ROM):

- Unpack the printer.
- Fill the paper tray with paper (follow instructions on paper package).
- Plug in the USB cable.
- Print a test page after the automatic test.
- Follow the instructions on the CD-ROM from the manufacturer in the event of problems.

Final work steps

IQ test

Perform IQ test according to instructions SPR2-310.820.02.xx.xx.

➪ Remove the supplied IQ test protocols from the monitor cart service compartment.

Configuring the network (optional) and remote service

Configure the network according to the Configuration Guide, SPR2-310.843.02.01.xx.xx and the remote connection according to Installation, Siemens Remote Service, SP00-000.816.02.01.xx.xx.

Completing protocols

After completing all adjustment work steps and check measurements, the responsible technician must sign and date the test protocols and country-specific protocols to confirm that all values have been correctly determined and recorded.

Completing the "ARCADIS Orbic Installation" protocol

The manufacturer of this product requires information and the legislator demands proofs that a product delivered free of defects from the factory continues to possess the required and certified quality properties on installation and start-up.

It is therefore absolutely necessary that the installation report with the installation and start-up data is sent without delay after completion of the work to the address stated on the installation report.

You will find the report in the system folder.

C-arm movement and emergency stop

System: ARCADIS Orbic

Material no.: .....

Serial number: .....

Tab. 1 C-arm movement and emergency stop

Movement	**OK Yes/No**	**Name**	**Date:**	**Initials**
Releasing/locking the brakes				
Downward movement, position 1				
Downward movement, position 2				
The warning signals sound as described.				
Function, EMERGENCY_STOP_button				

Leakage current measurement

System: ARCADIS Orbic

Material no.: .....

Serial number: .....

Measuring arrangement: see reverse:

Tab. 2 Leakage current measurement

	Equivalent **Unit leakage current**	**Measuring instrument used, serial no.**	**Name**	**Date**	**Initials**
Initial measured value					
Repeat measurement 1					
Repeat measurement 2					
Repeat measurement 3					
Repeat measurement 4					
Repeat measurement 5					
Repeat measurement 6					
Repeat measurement 7					
Repeat measurement 8					
Repeat measurement 9					
Repeat measurement 10					
Repeat measurement 11					
Repeat measurement 12					
Repeat measurement 13					

	Equivalent Unit leakage current	Measuring instrument used, serial no.	Name	Date	Initials
Repeat measurement 14					
Repeat measurement 15					
Repeat measurement 16					
Repeat measurement 17					
Repeat measurement 18					
Repeat measurement 19					
Repeat measurement 20					

Network checklist

Network checklist (1+) For SAP order no.:_____

Will the system have a network connection (HIS/RIS, Camera, PACS)? **Yes** **No**

Mandatory for image system with network connection!

To ensure that the system is preconfigured at the factory and thus optimize installation at the customer site, we request that you complete and return this list if a network connection is available (and used).

Person responsible for network configuration at customer site

Name:	
Phone/Fax:	
E-mail:	

System network data

Tab. 3 System network data

		Not networked
Identification:		
Computer name		* Configuration/ Local host/ TCP IP address
IP address:		
TCP/ IP address		* Configuration/ Local host/ TCP IP address
Subnet mask		* Configuration/ Local host/ TCP IP address
Gateways		* Configuration/ Local host/ TCP IP address
General: Local AE title for:		
HIS/RIS		* Configuration/ DICOM/ General
Study transfer		* Configuration/ DICOM/ General
Print		* Configuration/ DICOM/ General
Remarks		

Network data for HIS/RIS network partner (only with HIS/RIS option)

Tab. 4 Network data for HIS/RIS

		not available
Product:	**Version:**	**Manufacturer:**
Host properties:		
Host name		* Configuration/ DICOM/ HIS RIS nodes
TCP/ IP address		* Configuration/ DICOM/ HIS RIS nodes
General Node Properties		
Logical name		* Configuration/ DICOM/ HIS RIS nodes
Application entity		
AE title		* Configuration/ DICOM/ HIS RIS nodes
Port number		* Configuration/ DICOM/ HIS RIS nodes
Remark:		

Network checklist (2+)

Network data for reporting console / archive system (only with DICOM Basic option) (1)

Tab. 5 Network data for reporting console/archiving system

Information on each:	**Reporting console/ archive system**		**not available**
Product:	**Version:**		**Manufacturer:**
Host properties:			
Host name			* Configuration/ DICOM/ Network nodes
TCP/ IP address			* Configuration/ DICOM/ Network nodes
General node properties:			
Logical name			* Configuration/ DICOM/ Network nodes
Application entity:			
AE title			* Configuration/ DICOM/ Network nodes
Port number			* Configuration/ DICOM/ Network nodes
Supported DICOM services:			
Storage	yes	no	* Configuration/ DICOM/ Network nodes
Storage Commitment	yes	no	* Configuration/ DICOM/ Network nodes
	Node name:		* Configuration/ DICOM/ Network nodes
Query	yes	no	* Configuration/ DICOM/ Network nodes

Retrieve	yes	no	* Configuration/ DICOM/ Network nodes
Remarks:			

Network data for reporting console/archive system (only with DICOM Basic option) (2)

Tab. 6 Network data for reporting console/archiving system

Information on each:	**Reporting console/ archive system**		**not available**
Product:	**Version:**		**Manufacturer:**
Host properties:			
Host name			* Configuration/ DICOM/ Network nodes
TCP/ IP address			* Configuration/ DICOM/ Network nodes
General node properties:			
Logical name			* Configuration/ DICOM/ Network nodes
Application entity:			
AE title			* Configuration/ DICOM/ Network nodes
Port number			* Configuration/ DICOM/ Network nodes
Supported DICOM services:			
Storage	yes	no	* Configuration/ DICOM/ Network nodes
Storage Commitment	yes	no	* Configuration/ DICOM/ Network nodes
	Node name:		* Configuration/ DICOM/ Network nodes
Query	yes	no	* Configuration/ DICOM/ Network nodes
Retrieve	yes	no	* Configuration/ DICOM/ Network nodes
Remarks:			

Network checklist (3-)

Network data for a DICOM camera in the network (only with the DICOM Print option) (1)

Tab. 7 Network data for DICOM camera in the network

Information for	**Every camera**		**No camera available**
Product:	**Version:**		**Manufacturer:**
Default camera	yes	no	
Host properties:			
Host name			* Configuration/ DICOM/ Print devices

TCP/ IP address			* Configuration/ DICOM/ Print devices
General node properties:			
Logical name			* Configuration/ DICOM/ Print devices
Application entity:			
AE title			* Configuration/ DICOM/ Print devices
Port number			* Configuration/ DICOM/ Print devices
Remarks:			

Network data for a DICOM camera in the network (only with the DICOM Print option) (2)

Tab. 8 Network data for DICOM camera in the network

Information for	**Every camera**		**No camera available**
Product:	**Version:**		**Manufacturer:**
Default camera	yes	no	
Host properties:			
Host name			* Configuration/ DICOM/ Print devices
TCP/ IP address			* Configuration/ DICOM/ Print devices
General node properties:			
Logical name			* Configuration/ DICOM/ Print devices
Application entity:			
AE title			* Configuration/ DICOM/ Print devices
Port number			* Configuration/ DICOM/ Print devices
Remarks:			

The revised **Completing the "ARCADIS Orbic Installation" protocol** section was added to the "Final Work Steps" chapter.